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WHAT IS CLAIMED:

- 1. A method for assessing risk of a neurodegenerative disease or disorder in a subject, which method comprises comparing a level of anti- β -amyloid-42 (A β ₄₂) antibody in a biological sample from a subject to a normal level, wherein a lower level in the biological sample from the subject indicates the presence of a neurodegenerative disease or disorder.
- 1 2. The method according to claim 1, wherein the biological sample is blood, serum, or plasma.
 - 3. The method according to claim 1, wherein the normal level is determined from an average of the level of anti-A β_{42} peptide antibody in the biological sample from a population of age-matched normal subjects who do not show any symptoms of neurodegenerative disease or disorder.
 - 4. The method according to claim 1, wherein the normal level is determined from an average of the level of anti-A β_{42} peptide antibody in the biological sample from a population of all subjects, including subjects who do not show any symptoms of a neurodegenerative disease or disorder.
 - 5. The method according to claim 1, which comprises determining the level of anti-A β_{42} antibody in the biological sample by immunoassay.
 - 6. The method according to claim 5, wherein the immunoassay is an enzyme-linked immunosorbent assay.

- 1 8. The method according to claim 2, wherein the subject is from a 2 family that has a member or members with familial Alzheimer's Disease.
- 9. The method according to claim 1, wherein the subject is in his or her seventh or eighty decade.

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- 10 . A method for assessing risk of Alzheimer's Disease in a subject, which method comprises comparing a level of anti-A β_{42} antibody in a biological sample from a subject to a normal level, wherein a lower level in the biological sample from the subject indicates the presence of Alzheimer's Disease.
- 11. The method according to claim 10, wherein the biological sample is blood, serum, or plasma.
- 12. The method according to claim 10, wherein the normal level is determined from an average of the level of anti-amyloid peptide antibody in the biological sample from a population of age-matched normal subjects who do not show any symptoms of Alzheimer's Disease.
- 13. The method according to claim 10, wherein the normal level is determined from an average of the level of anti-amyloid peptide antibody in the biological sample from a population of all subjects, including subjects who do not show any symptoms of Alzheimer's Disease.
 - 14. The method according to claim 10, which comprises determining

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- 15. The method according to claim 10, wherein the subject is from a family that has a member or members with familial Alzheimer's Disease. 2

A method for assessing risk of Alzheimer's Disease in a subject,

The method according to claim 2, wherein the subject is from a

The method according to claim 16, wherein the subject is in his

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which method comprises comparing a level of anti- $A\beta_{42}$ antibody in a biological

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or her seventh or eighth decade.

sample, wherein the subject does not exhibit symptoms of cognitive dysfunction or

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memory dysfunction from a subject to a normal level, wherein a lower level in the biological sample from the subject indicates the presence of Alzheimer's Disease.

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A method for treating or preventing the onset of Alzheimer's 19. Disease, which method comprises administering a therapeutically effective amount of a human anti- $A\beta_{42}$ antibody to a subject believed to suffer from or be at risk for developing Alzheimer's Disease.

family that has a member or members with familial Alzheimer's Disease.

- 20. The method according to claim 19, wherein the antibody is a monoclonal antibody.
- 1 21. The method according to claim 20, wherein the monoclonal 2 antibody is a humanized antibody.

1 23. The method according to claim 22, wherein the level of the antibody in a biological sample from the subject is greater than the normal level.

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- 24. The method according to claim 19, which further comprises determining the level of anti-amyloid peptide antibody in the biological sample by immunoassay.
- 25. The method according to claim 24, wherein the immunoassay is an enzyme-linked immunosorbent assay.
- 26. The method according to claim 24, wherein the biological sample is blood, serum, or plasma.
- 27. The method according to claim 14, wherein the normal level is determined from an average of the level of anti-amyloid peptide antibody in the biological sample from a population of age-matched normal subjects who do not show any symptoms of the Alzheimer's Disease.
- 1 28. The method according to claim 24, wherein the normal level is 2 determined from an average of the level of anti-amyloid peptide antibody in the

- 3 biological sample from a population of all subjects, including subjects who do not
 - 4 show any symptoms of the Alzheimer's Disease.
 - 1 29. The method according to claim 19, wherein the subject is from
 - 2 a family with a member or members with familial Alzheimer's Disease.
 - 1 30. A method for diagnosing Alzheimer's Disease, which method
 - 2 comprises detecting binding of a natural anti-amyloid antibody to amyloid in a brain of
 - 3 a subject suspected of suffering Alzheimer's Disease.